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Windows 10 PE x32 Custom Environment

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[1. Overview]

This Windows 10 PE x32 environment is a highly customized bootable solution designed for system maintenance, recovery, and network booting. It includes a vast array of tools, utilities, and shortcuts accessible directly from the desktop context menu. The environment can be booted from various sources, including flash drives, hard disks, or over a network, making it versatile and independent of traditional storage media.

[2. Desktop Context Menu Structure]

2.1 HANY's-Tools-2 Menu

This menu provides access to essential tools for password recovery, data recovery, network booting, and more: NTPWEdit - Password editor for Windows SAM databases.

Yumi - Multi-boot USB creator.

WebBrowserPassView - Tool to recover passwords stored by web browsers.

Chip Genius - USB device information tool.

ResHack - Resource editor for Windows executables.

Network-Boot (Aomei PXE Boot Free) - Network boot utility.

Get Password - Password recovery tool.

Norton Ghost 2016 - Disk imaging and backup tool.

Double Driver - Driver backup and restore tool.

UUKey Windows Password Recovery - Password reset tool.

HDSentinel - Hard disk monitoring tool.

CamStudio - Screen recording software.

EaseUS Data Recovery 11 - Data recovery software.

TeamViewer Desktop - Remote desktop software.

LaseSoft Recovery Suite Home - System recovery suite.

2.2 HANY's-Tools Menu

A collection of tools for disk management, system imaging, and utilities:

Bootice - Boot sector management tool.

Gimagex I - GUI for the ImageX tool.

Dism++ x86 - Advanced deployment tool for Windows images.

Rufus - Bootable USB creator.

WinNTSetup - Tool for installing Windows operating systems.

Boot Tester (Qemu Simple Boot V1.3) - Tool to test bootable media.

Foxit Reader - PDF reader.

GRUB4DOS - Bootloader for DOS and Linux.

Microsoft Office 2007 - Office suite.

SMADAV 2023 Antivirus - Lightweight antivirus software.

SpaceSniffer - Disk space analysis tool.

UltraISO - ISO image creation and editing tool.

CCleaner - System cleaning utility.

Universal USB Installer - Tool to create bootable Linux USB drives.

USB Show - Tool to show hidden files on USB drives.

WD Life Guard (Western Digital Data LifeGuard Diagnostics - DLGDIAG for Windows) - Disk diagnostic tool.

2.3 HANY's-Shortcuts Menu

Convenient shortcuts to frequently used system utilities:

Network Boot - Network boot tool (same as in HANY's-Tools-2).

Clean Temp and Prefetch Folders - Cleans temporary files.

Windows Memory Diagnostic - RAM diagnostic tool.

Character Map - Utility to view special characters.

Menu-Speed-Up - Increases system performance.

Menu-Speed-Down - Decreases system performance.

System Generalization - Prepares Windows for imaging.

UUKey Windows Password Recovery - Password reset tool.

2.4 HANY's Utilities Menu

Utilities for network management and system security:

Network Clients (Wireless Network Watcher) - Scans for devices on the network.

Wireless Around You (WirelessNetView) - Lists available wireless networks.

Port Status (CurrPorts) - Displays open ports and network connections.

Google Internet Test (ping google.com -t) - Pings Google to check internet connectivity.

Yahoo Internet Test (ping yahoo.com -t) - Pings Yahoo to check internet connectivity.

Loop-Back-Test (ping 127.0.0.1 -t) - Tests local network stack.

Total Physical Memory - Displays total RAM.

Free Up Memory - Frees up system memory.

Firewall Turn On for Security - Activates Windows Firewall.

Block All Inbounds for Security - Blocks all inbound traffic.

Standard Inbounds - Restores standard inbound traffic settings.

Stop Hidden Share for Security - Disables hidden network shares.

Stop SNMP for Security - Disables SNMP service.

Activate Windows Defender for Security - Activates Windows Defender.

Start Hidden Share - Enables hidden network shares.

2.5 POWER Menu

Power options for system management:

Restart - Restarts the computer.

Shutdown - Shuts down the computer.

Hibernate - Hibernates the computer.

Sign Out - Signs out the current user.

Lock Screen - Locks the screen.

[3. Additional Desktop Items:]

3.1 Fix VLC Player

Associates all media files with VLC Player.

3.2 Windows Version

Displays Windows version details.

3.3 Programs and Features

Opens the "Programs and Features" control panel.

3.4 Open Command Window Here

Opens a command prompt window in the current directory.

3.5 Control Panel by Hany

Opens the control panel.

3.6 Device Manager by Hany

Opens the device manager.

3.7 Disk Management by Hany

Opens the disk management tool.

3.8 Folder Options by Hany

Opens the folder options dialog.

3.9 Lock Screen by Hany

Locks the screen.

3.10 Log Off by Hany

Signs out the current user.

3.11 Msconfig by Hany

Opens the system configuration utility (msconfig).

3.12 Network Connection

Opens the network connections window.

3.13 Registry Editor by Hany

Opens the Windows registry editor.

[4. Additional Desktop Icons:]

4.1 Ventoy

Shortcut to the Ventoy program for creating bootable USB drives.

4.2 Games (Feeding Frenzy 3 Basic)

Shortcut to the game Feeding Frenzy 2 on the Desktop to play games under windows pe

[5. Bootable Media and Network Boot:]

This Windows PE environment is stored within the Boot.wim file located inside the sources folder of the Windows 10 PE x32 ISO. It can be booted from: Flash Memory, Hard Disk Drive, Network Boot (using Aomei PXE Boot) Once booted, all tools, utilities, and games are available even if no hard disk is present in the computer. The ability to boot over the network adds significant flexibility, allowing systems to be booted without the need for any local storage media.

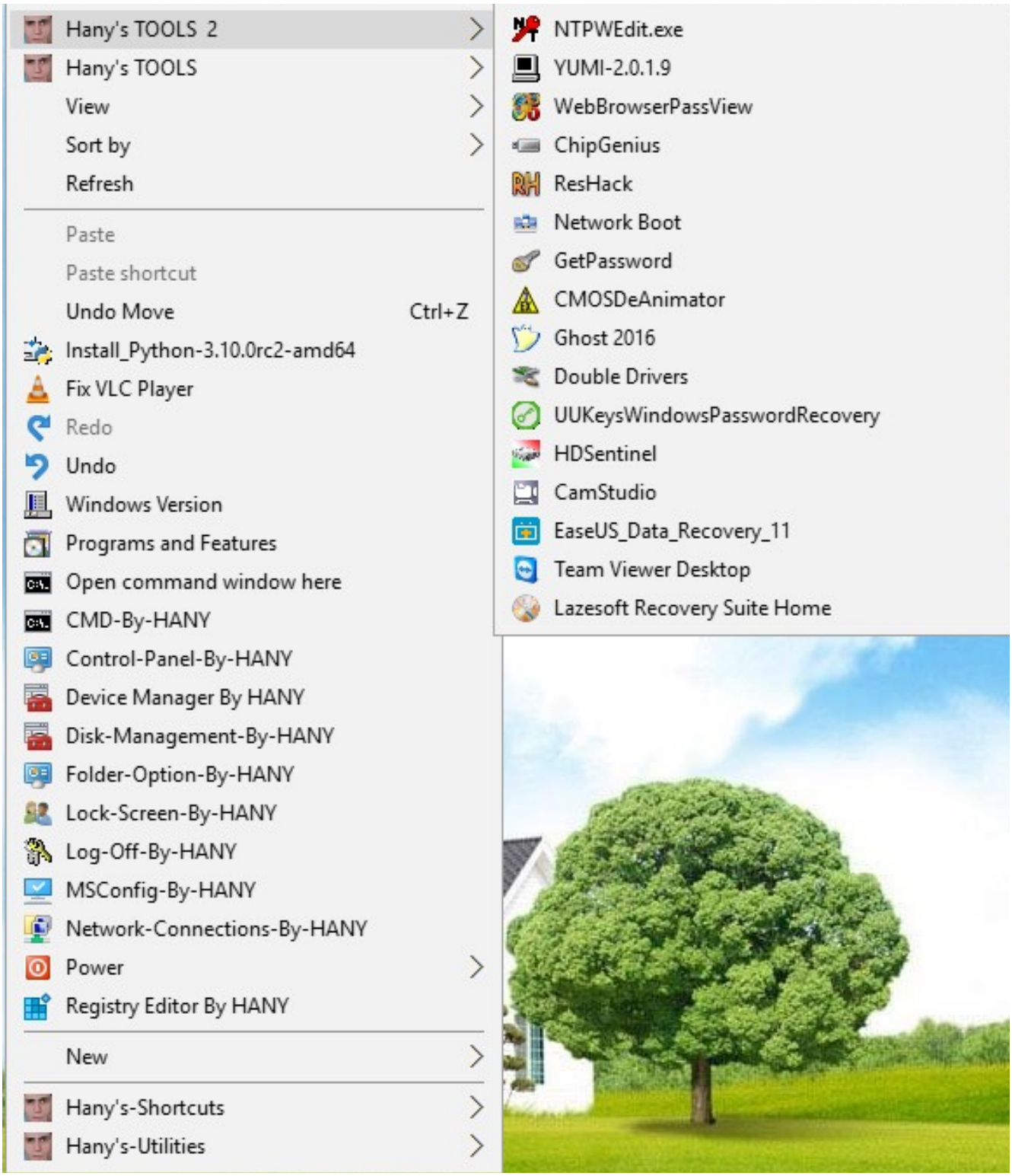
[6. Conclusion:]

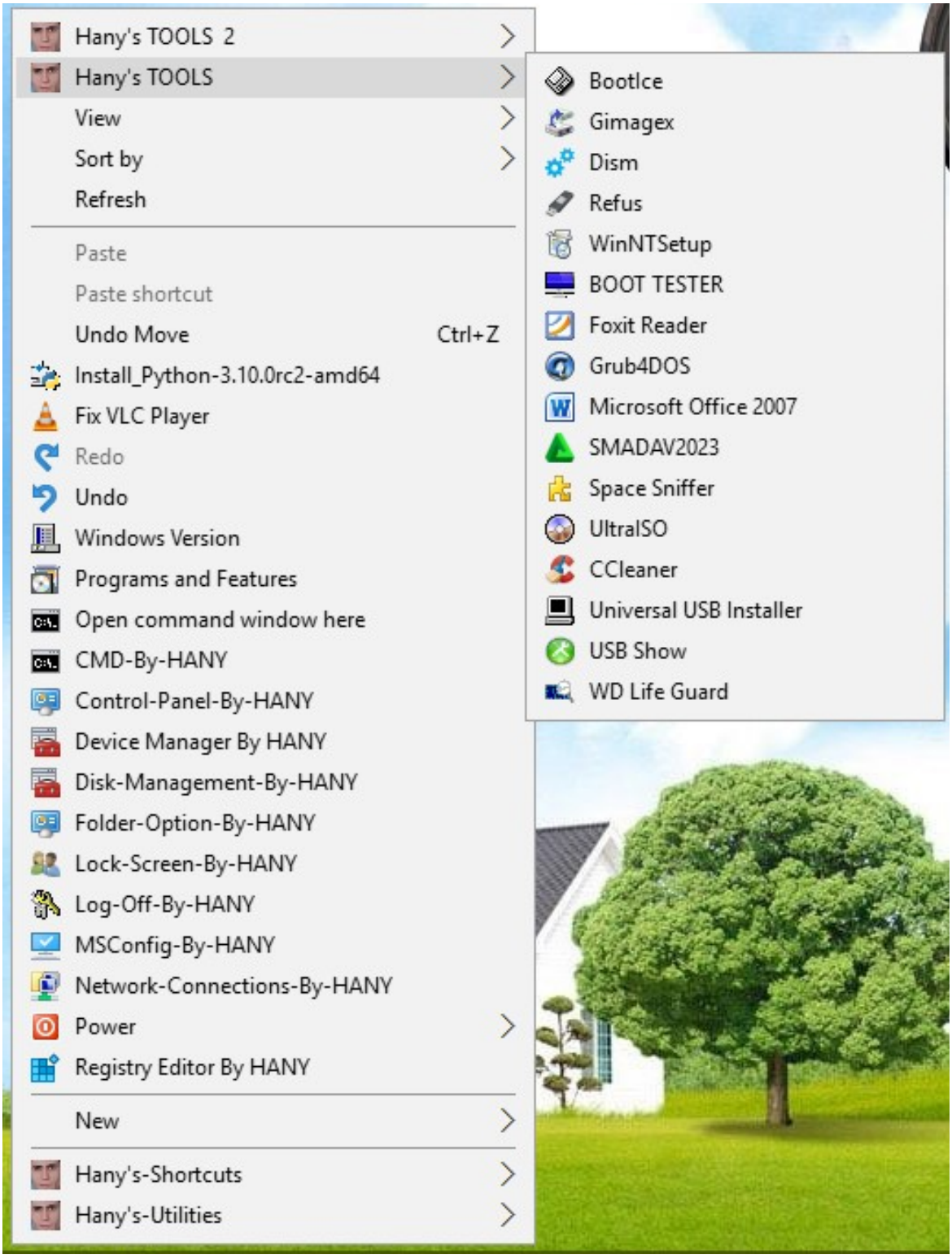
This custom Windows 10 PE x32 environment is a powerful and portable toolkit designed to handle a wide range of tasks, from system recovery to network management and beyond. The carefully curated set of tools and utilities reflects over 30 years of experience in computer science, making it a valuable resource for both professionals and advanced users.

[7. ScreenShots of Desktop Context menu, Folder Context Menu, File Context Menu, & Drive Context menu]

Desktop Context menu [Hany’s TOOLS 2]

Desktop Context menu [Hany’s TOOLS]



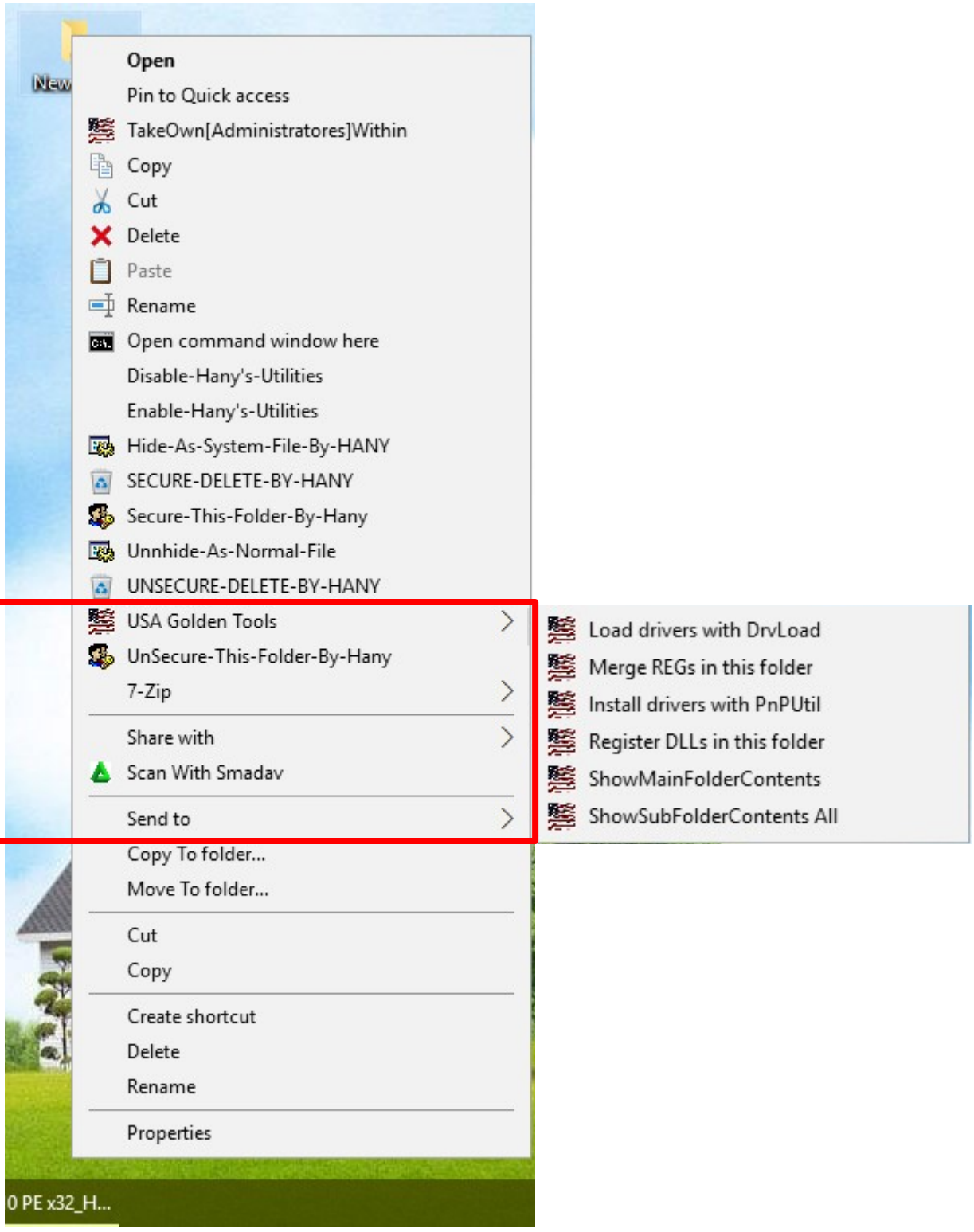

Hany's TOOLS 2
Hany's TOOLS
View
Sort by
Refresh
Paste
Paste shortcut
Undo Move Ctrl+Z
Install_Python-3.10.0rc2-amd64
Fix VLC Player
Redo
Undo
Windows Version
Programs and Features
Open command window here
CMD-By-HANY
Control-Panel-By-HANY
Device Manager By HANY
Disk-Management-By-HANY
Folder-Option-By-HANY
Lock-Screen-By-HANY
Log-Off-By-HANY
MSConfig-By-HANY
Network-Connections-By-HANY
Power
Registry Editor By HANY
New
Hany's-Shortcuts
Hany's-Utilities
BootIce
Gimagex
Dism
Refus
WinNTSetup
BOOT TESTER
Foxit Reader
Grub4DOS
Microsoft Office 2007
SMADAV2023
Space Sniffer
UltraISO
CCleaner
Universal USB Installer
USB Show
WD Life Guard

Desktop Hidden Commands Could be Displayed by (Click Shift + Right click)

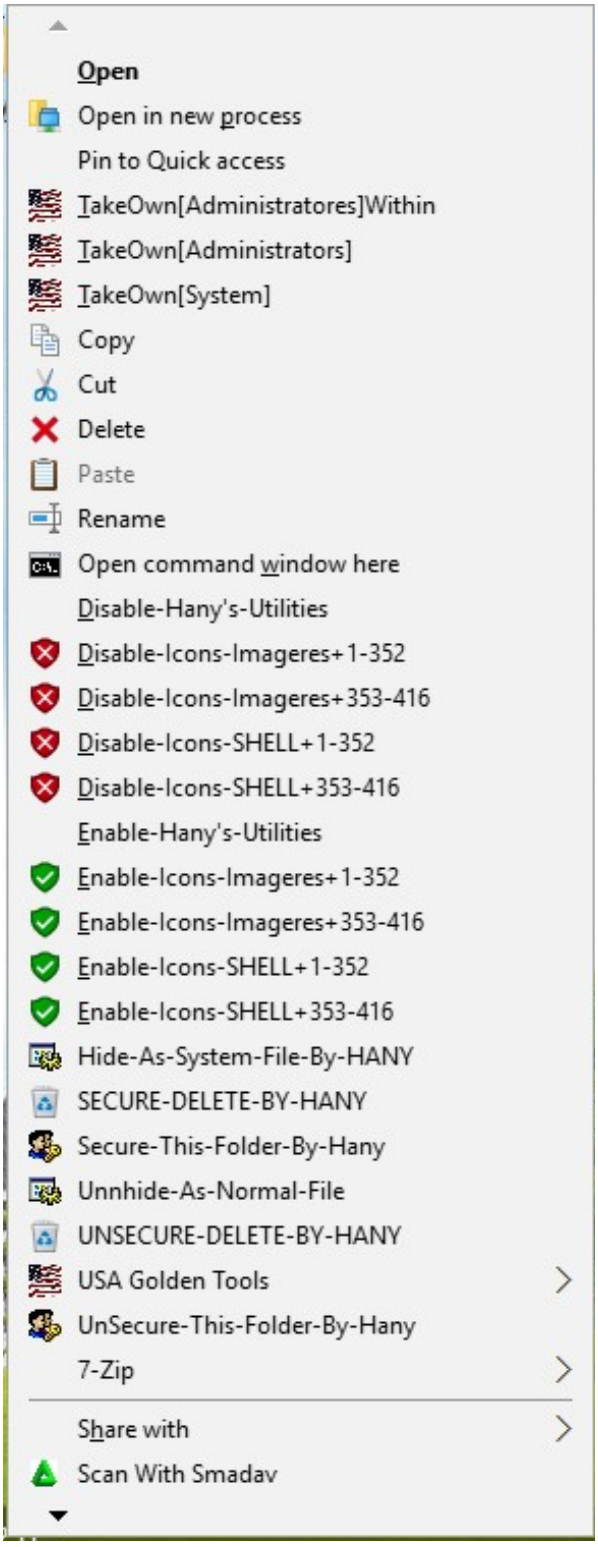
Creates Desktop folder with 500 icons shapes inside

Apply the Registry Security script inside the folder in System32

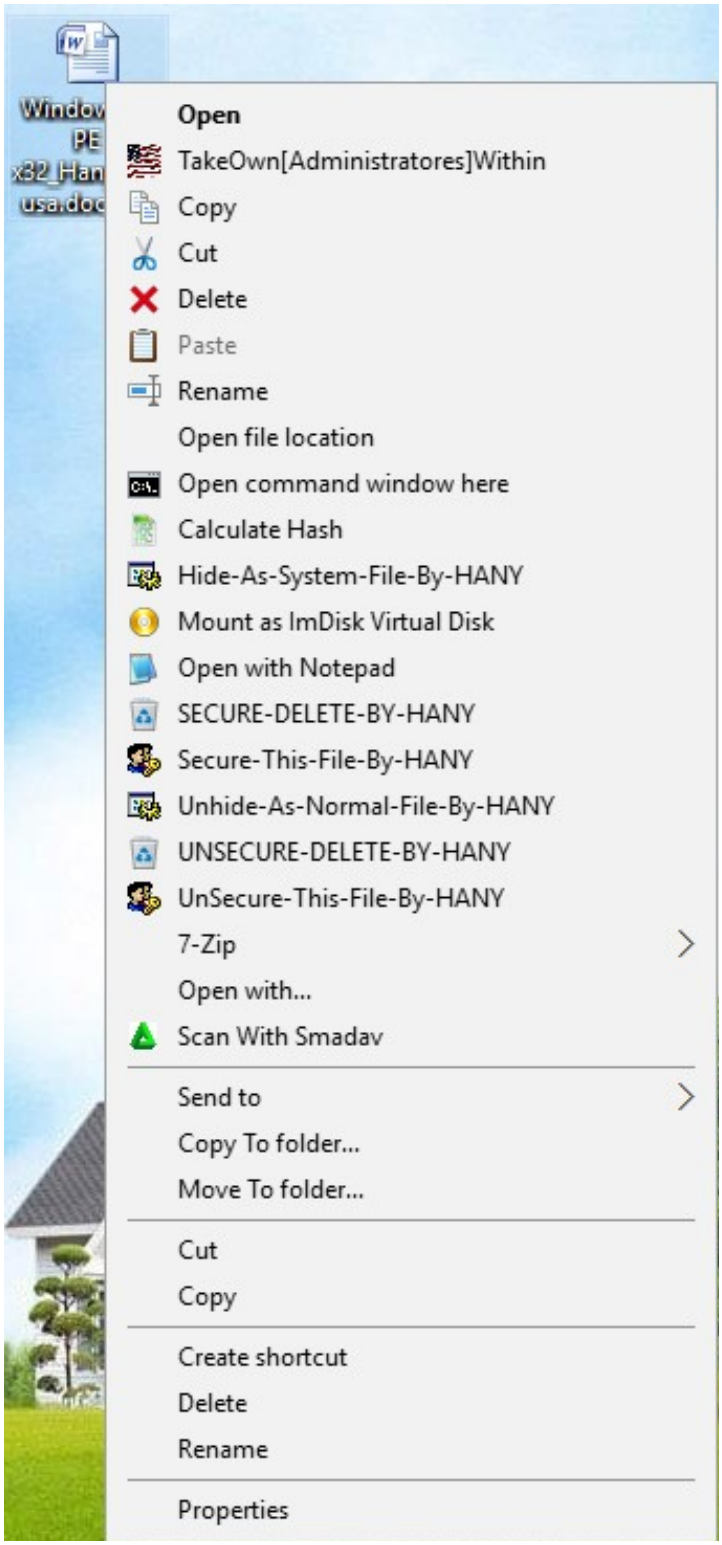
Folder Context menu **Windows 10 PE x32**



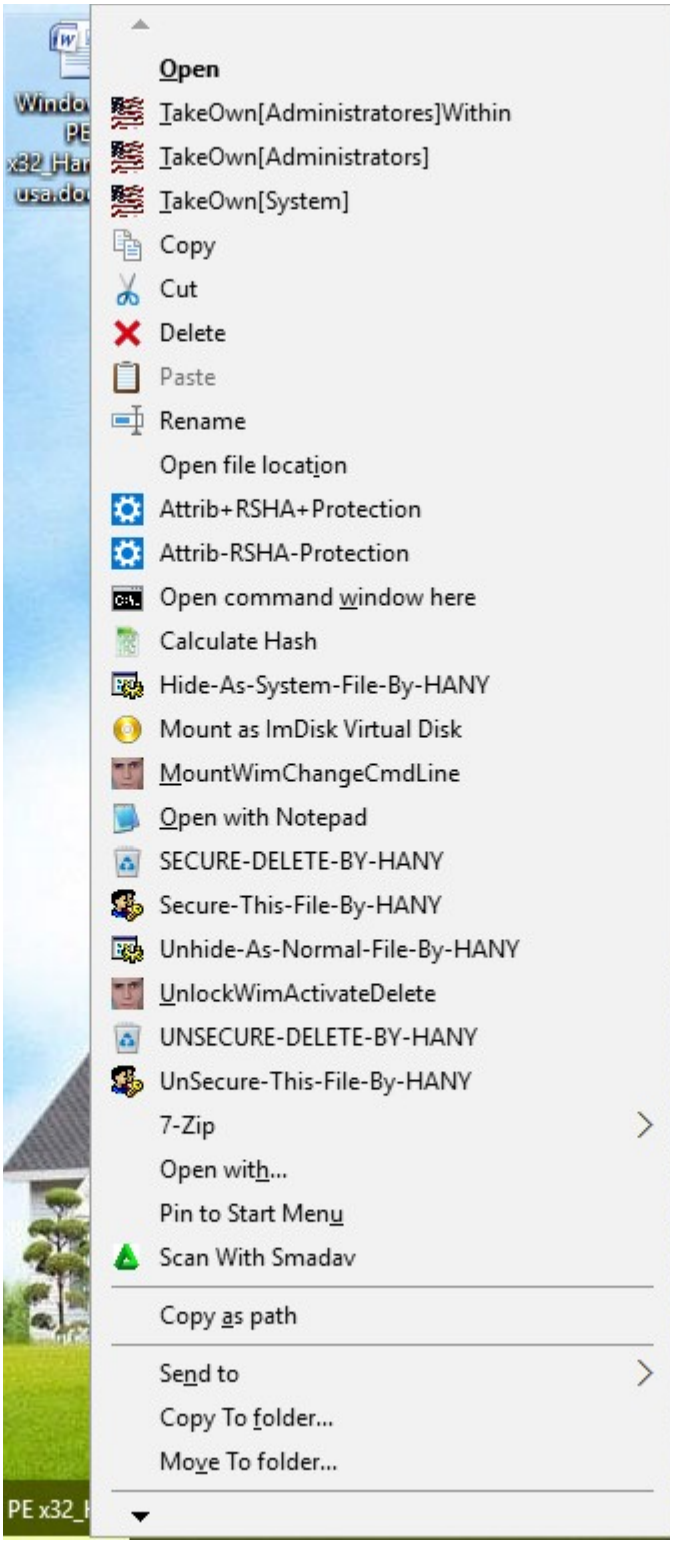
Folder Hidden Context Menu **Windows 10 PE x32**



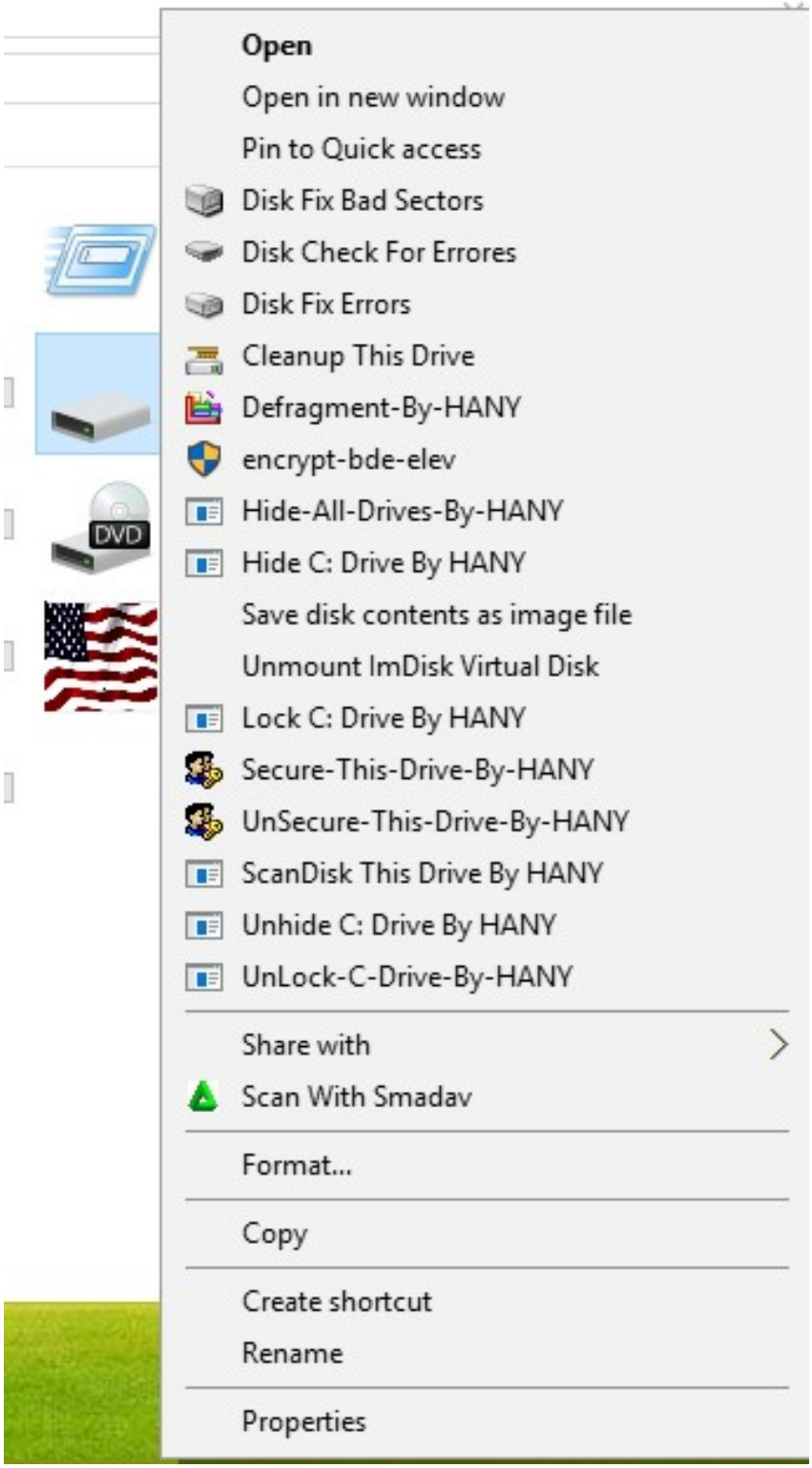
Any file Context Menu **Windows 10 PE x32**



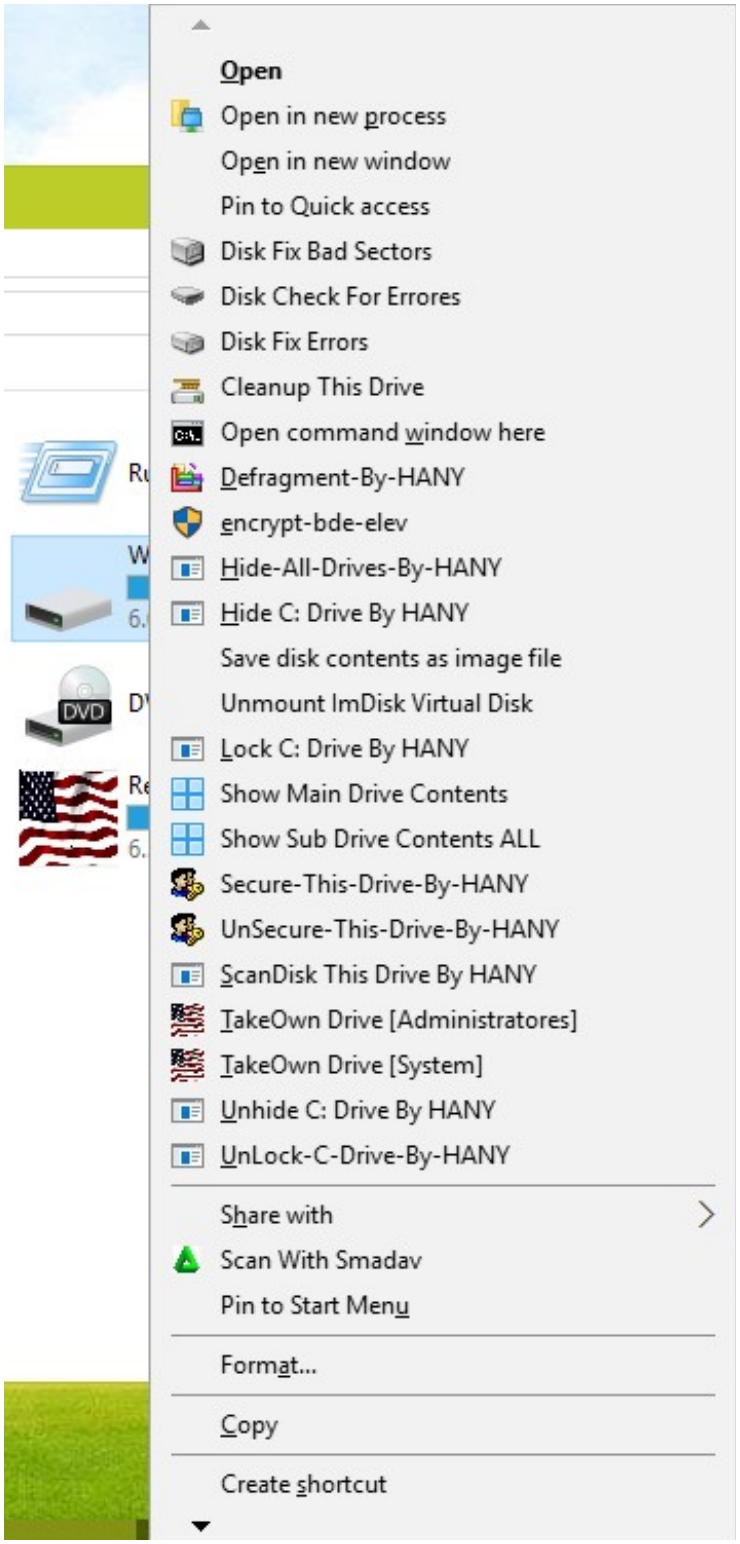
Any file Hidden Context Menu **Windows 10 PE x32**



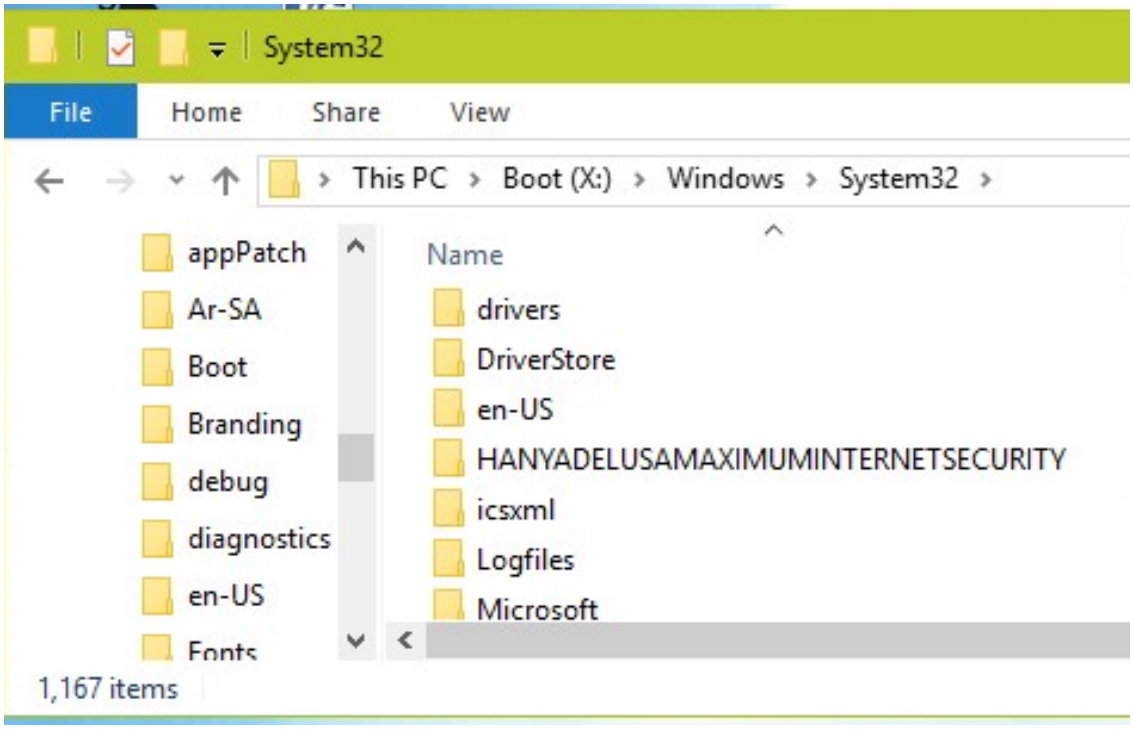
Drive Context Menu **Windows 10 PE x32**

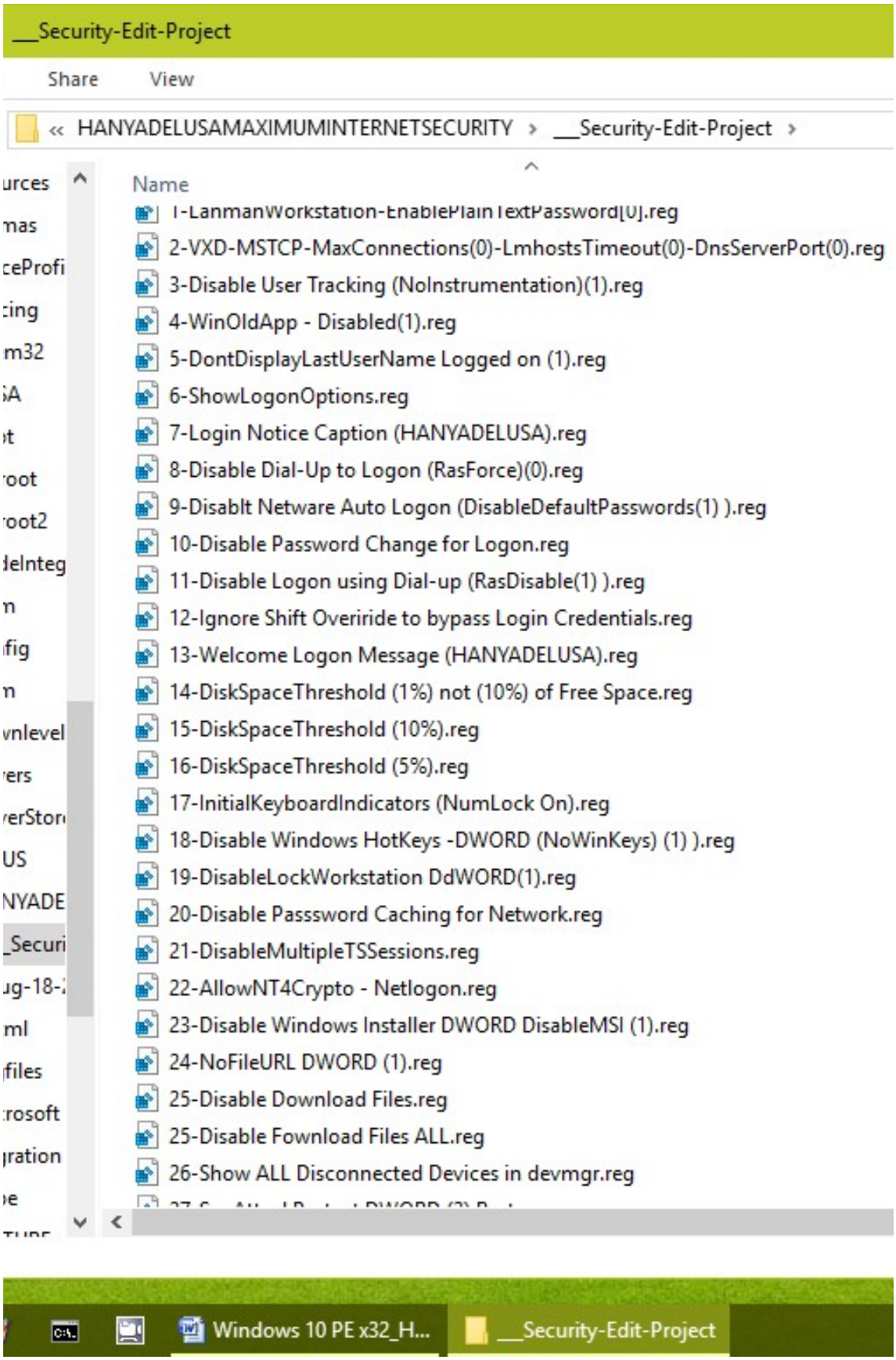


Drive Hidden Context Menu **Windows 10 PE x32**

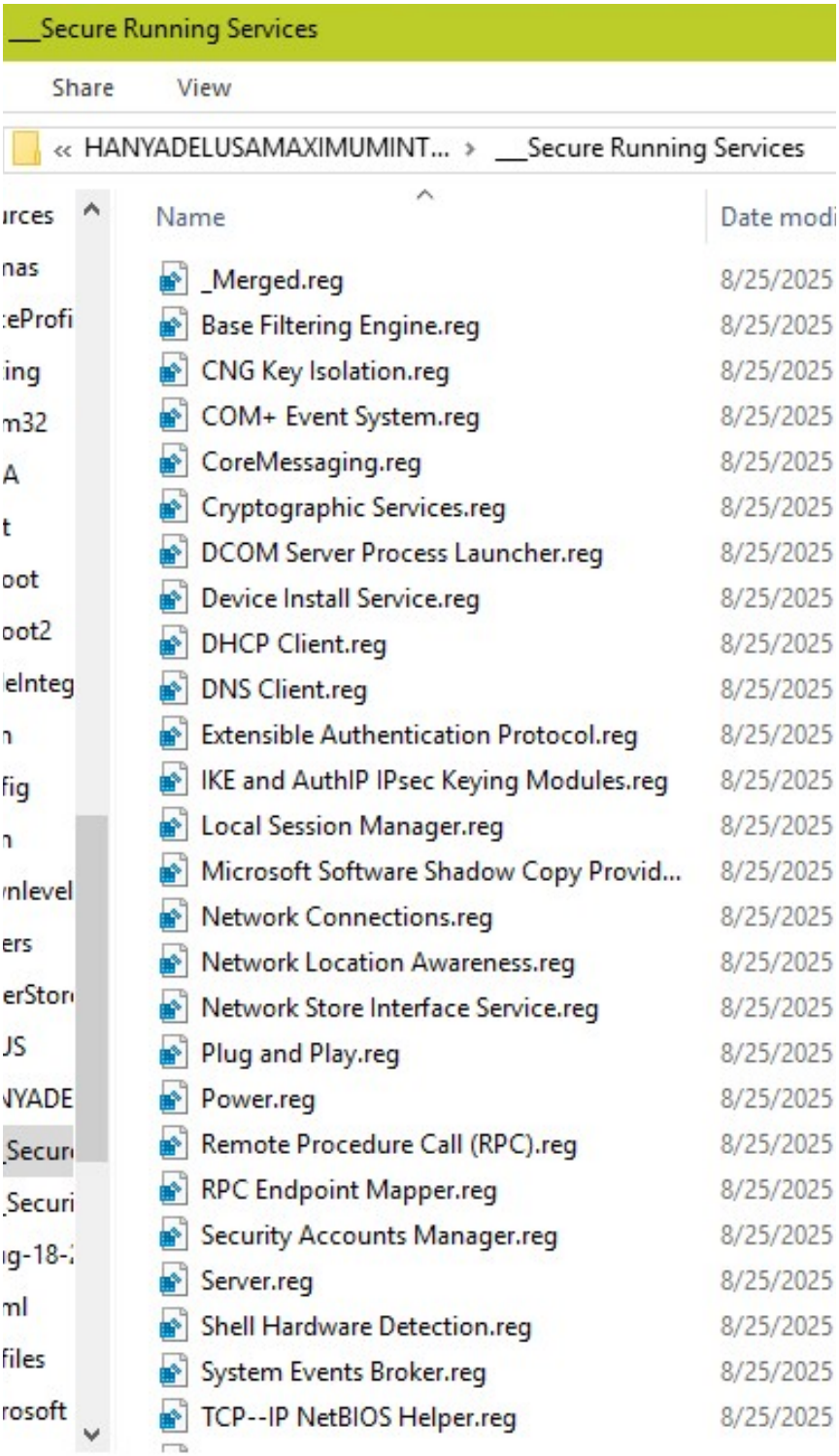


My Secrets inside my Windows 10 PE

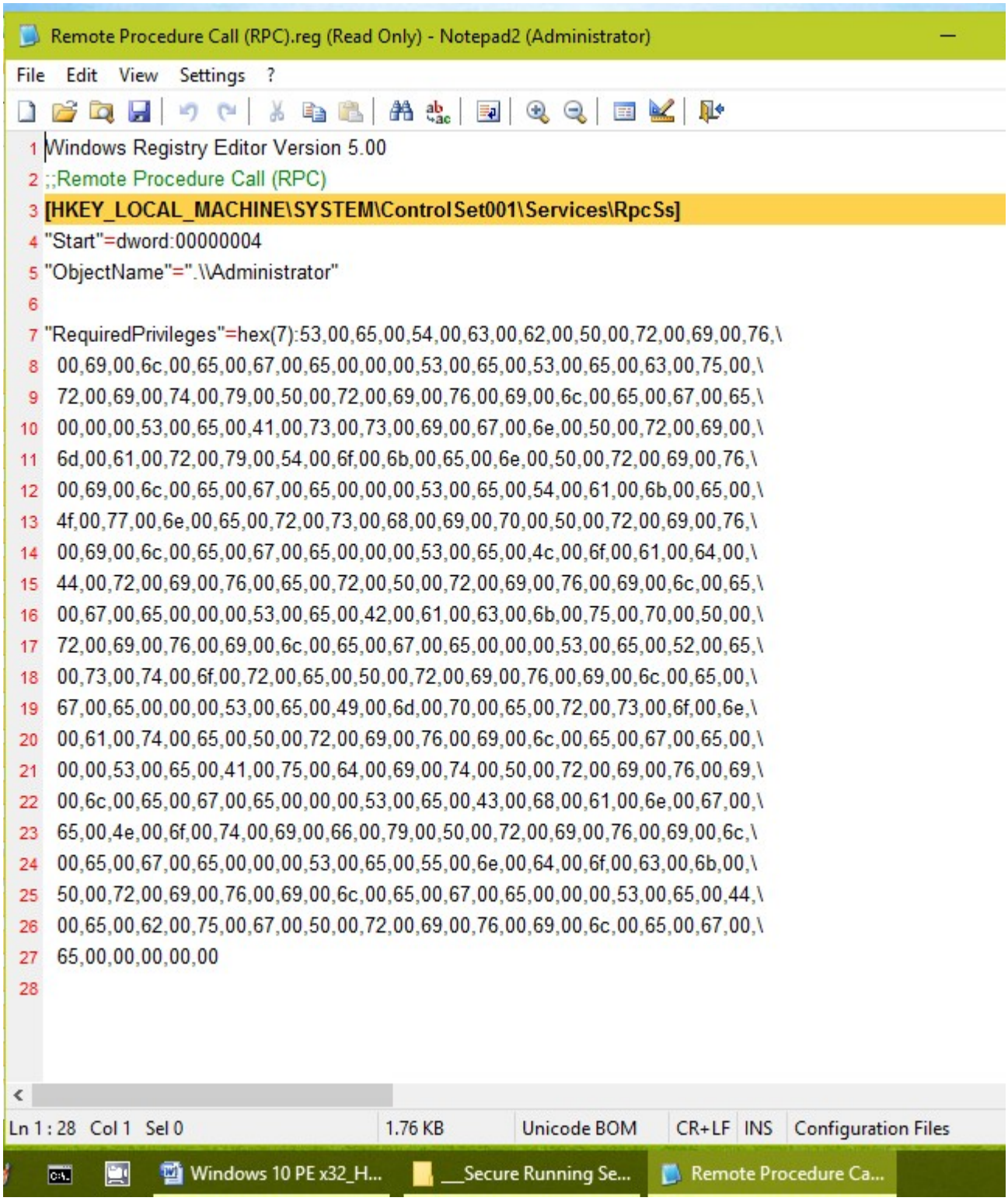



__Security-Edit-Project
Share
View
« HANYADELUSAMAXIMUMINTERNETSECURITY › __Security-Edit-Project ›
Name
1-LanmanWorkstation-EnablePlainTextPassword[0].reg
2-VXD-MSTCP-MaxConnections(0)-LmhostsTimeout(0)-DnsServerPort(0).reg
3-Disable User Tracking (NoInstrumentation)(1).reg
4-WinOldApp - Disabled(1).reg
5-DontDisplayLastUserName Logged on (1).reg
6-ShowLogonOptions.reg
7-Login Notice Caption (HANYADELUSA).reg
8-Disable Dial-Up to Logon (RasForce)(0).reg
9-Disablt Netware Auto Logon (DisableDefaultPasswords(1)).reg
10-Disable Password Change for Logon.reg
11-Disable Logon using Dial-up (RasDisable(1)).reg
12-Ignore Shift Overiride to bypass Login Credentials.reg
13-Welcome Logon Message (HANYADELUSA).reg
14-DiskSpaceThreshold (1%) not (10%) of Free Space.reg
15-DiskSpaceThreshold (10%).reg
16-DiskSpaceThreshold (5%).reg
17-InitialKeyboardIndicators (NumLock On).reg
18-Disable Windows HotKeys -DWORD (NoWinKeys) (1)).reg
19-DisableLockWorkstation DdWORD(1).reg
20-Disable Passsword Caching for Network.reg
21-DisableMultipleTSSessions.reg
22-AllowNT4Crypto - Netlogon.reg
23-Disable Windows Installer DWORD DisableMSI (1).reg
24-NoFileURL DWORD (1).reg
25-Disable Download Files.reg
25-Disable Fownload Files ALL.reg
26-Show ALL Disconnected Devices in devmgr.reg
Windows 10 PE x32_H...
__Security-Edit-Project

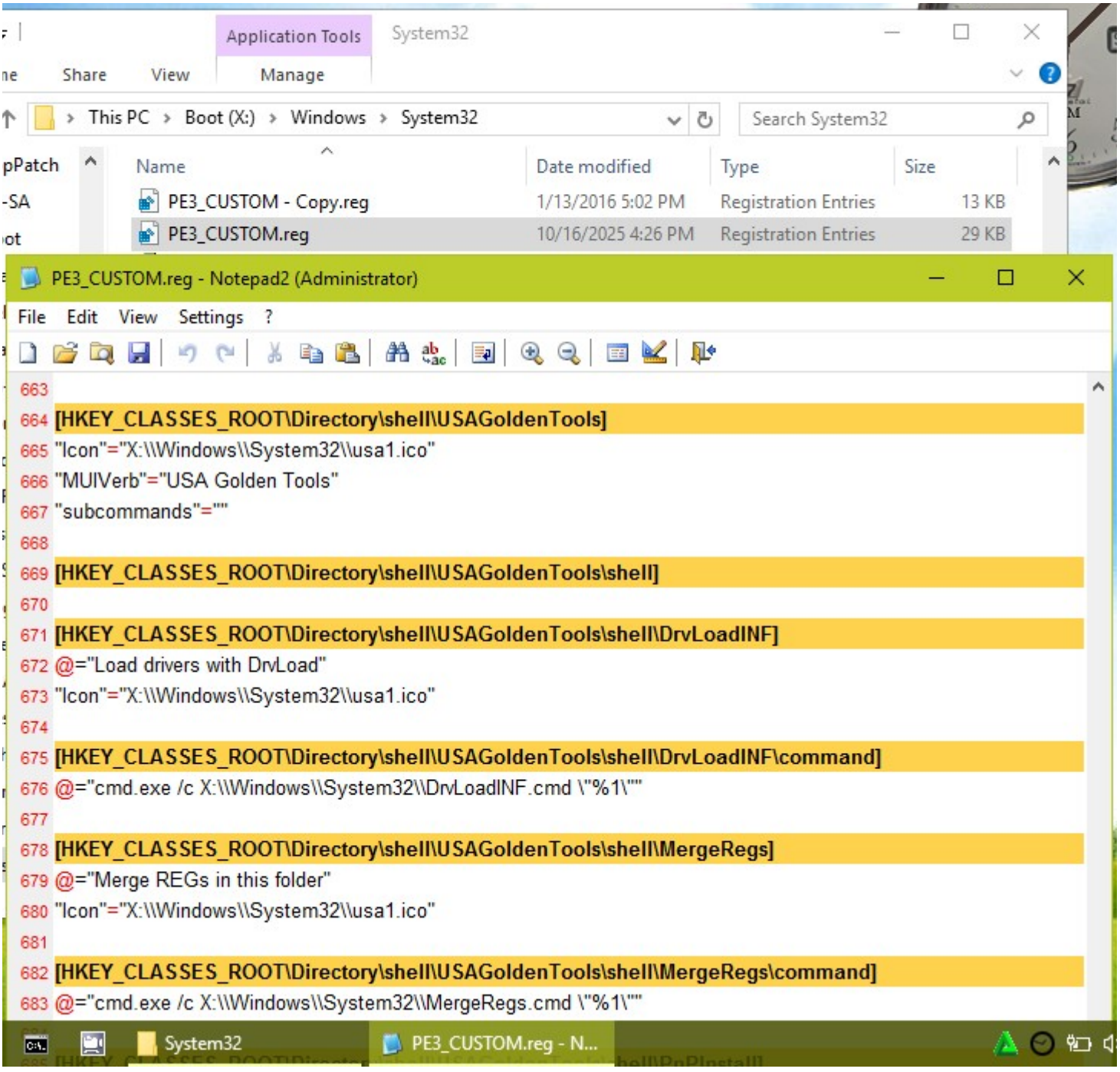
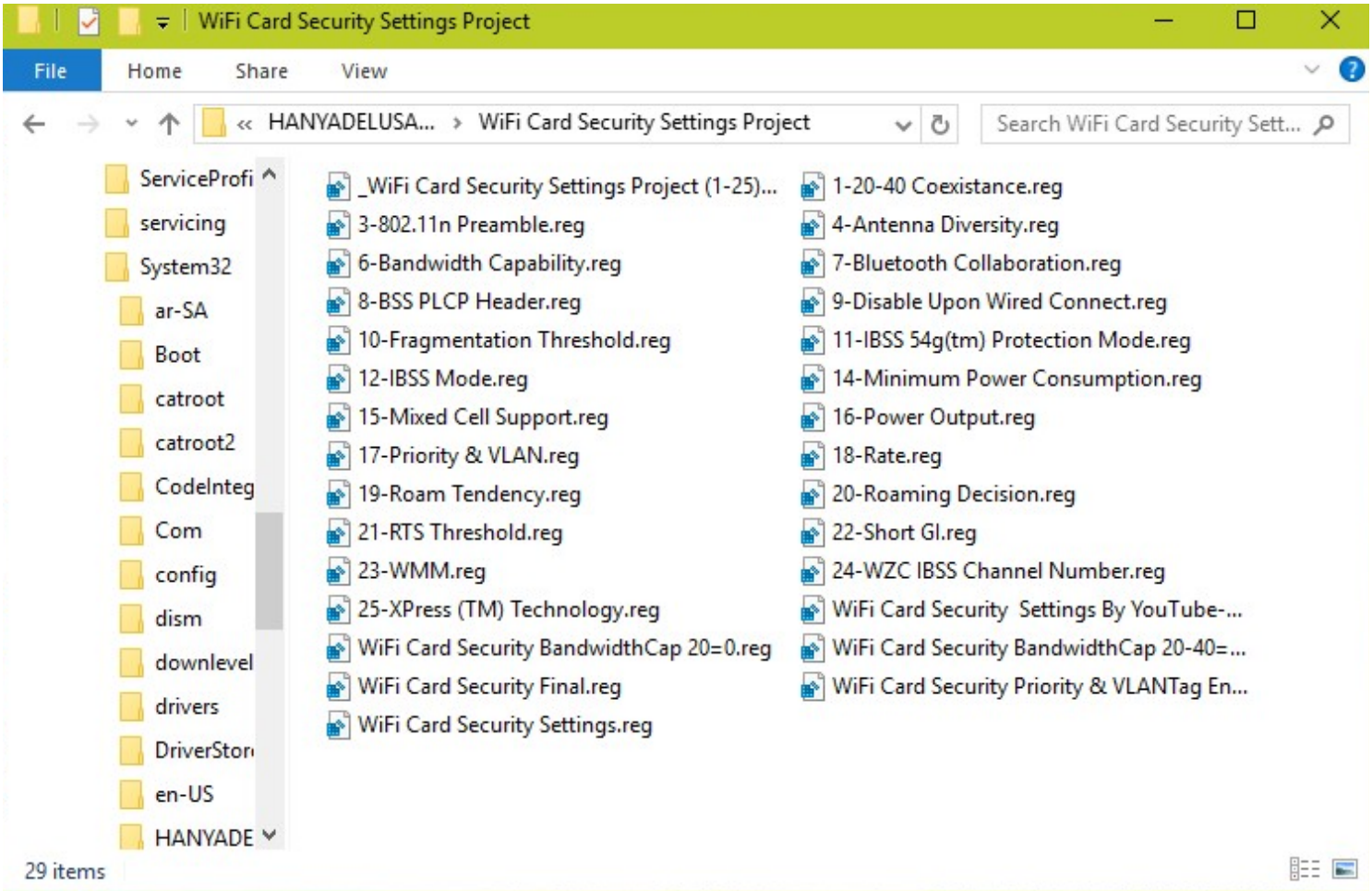
Secure Running Services



Secure Remote Procedure Call


Remote Procedure Call (RPC).reg (Read Only) - Notepad2 (Administrator)
File Edit View Settings ?
1 Windows Registry Editor Version 5.00
2 ;;Remote Procedure Call (RPC)
3 [HKEY_LOCAL_MACHINE\SYSTEM\ControlSet001\Services\RpcSs]
4 "Start"=dword:00000004
5 "ObjectName"=".\\Administrator"
6
7 "RequiredPrivileges"=hex(7):53,00,65,00,54,00,63,00,62,00,50,00,72,00,69,00,76,\
8 00,69,00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,53,00,65,00,63,00,75,00,\
9 72,00,69,00,74,00,79,00,50,00,72,00,69,00,76,00,69,00,6c,00,65,00,67,00,65,\
10 00,00,00,53,00,65,00,41,00,73,00,73,00,69,00,67,00,6e,00,50,00,72,00,69,00,\
11 6d,00,61,00,72,00,79,00,54,00,6f,00,6b,00,65,00,6e,00,50,00,72,00,69,00,76,\
12 00,69,00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,54,00,61,00,6b,00,65,00,\
13 4f,00,77,00,6e,00,65,00,72,00,73,00,68,00,69,00,70,00,50,00,72,00,69,00,76,\
14 00,69,00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,4c,00,6f,00,61,00,64,00,\
15 44,00,72,00,69,00,76,00,65,00,72,00,50,00,72,00,69,00,76,00,69,00,6c,00,65,\
16 00,67,00,65,00,00,00,53,00,65,00,42,00,61,00,63,00,6b,00,75,00,70,00,50,00,\
17 72,00,69,00,76,00,69,00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,52,00,65,\
18 00,73,00,74,00,6f,00,72,00,65,00,50,00,72,00,69,00,76,00,69,00,6c,00,65,00,\
19 67,00,65,00,00,00,53,00,65,00,49,00,6d,00,70,00,65,00,72,00,73,00,6f,00,6e,\
20 00,61,00,74,00,65,00,50,00,72,00,69,00,76,00,69,00,6c,00,65,00,67,00,65,00,\
21 00,00,53,00,65,00,41,00,75,00,64,00,69,00,74,00,50,00,72,00,69,00,76,00,69,\
22 00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,43,00,68,00,61,00,6e,00,67,00,\
23 65,00,4e,00,6f,00,74,00,69,00,66,00,79,00,50,00,72,00,69,00,76,00,69,00,6c,\
24 00,65,00,67,00,65,00,00,00,53,00,65,00,55,00,6e,00,64,00,6f,00,63,00,6b,00,\
25 50,00,72,00,69,00,76,00,69,00,6c,00,65,00,67,00,65,00,00,00,53,00,65,00,44,\
26 00,65,00,62,00,75,00,67,00,50,00,72,00,69,00,76,00,69,00,6c,00,65,00,67,00,\
27 65,00,00,00,00,00
28
Ln 1 : 28 Col 1 Sel 0
1.76 KB
Unicode BOM
CR+LF
INS
Configuration Files
Windows 10 PE x32_H...
__Secure Running Se...
Remote Procedure Ca...

Another Secret inside my Windows 10 PE During Booting Process



WiFi Card Security